

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions of the claims and listing of the claims in the application:

1. (Currently Amended) A compound having formula (I),



(I)

or a pharmaceutically acceptable salt thereof, wherein X is



R¹ is halogen, lower alkyl;

R² is attached to any available carbon atom of the phenyl ring A and at each occurrence is alkyl;

n is 0 or 1;

Y is -L-R⁵;

R³ is hydrogen, alkyl, cycloalkyl;

L is -C(=O)NH-, -NH(C=O)-;

V is -M-R¹⁰;

M is -C(=O)NR⁴-, -NR⁴(C=O)-, -NR⁴(C=O)NR⁴-, -NR⁴SO₂-, or -C(=O)-;

R⁴ is each selected from hydrogen, lower alkyl and lower cycloalkyl;

R⁶ at each occurrence is independently hydrogen, alkyl, -NH₂, or -NMe₂;

R¹⁰ is alkyl, alkoxyarylethyl, aryl, or -(CH₂)_e-D-(CH₂)_e-R¹³;

t is selected from 0, 1, 2 and 3; e is selected from 0, 1, 2 and 3;

D is selected from a bond, an optionally substituted heterocyclyl, an optionally substituted aryl, -O-, -S-, -(C=O)-, -NR⁴(C=O)-, -(C=O)NR⁴-, -S(O)-, SO₂NR⁴, SO₂-, and -NR⁴-;

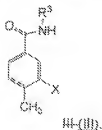
R^{13} is selected from an optionally substituted five- to seven-membered heterocyclic ring, an optionally substituted five- to seven-membered heteroaryl ring and an optionally substituted fused bicyclic ring; and

wherein optionally substituted heterocyclyl, optionally substituted heterocyclic heteroaryl ring and optionally substituted fused bicyclic ring are heterocyclyl, heterocyclic heteroaryl ring and fused bicyclic ring which are unsubstituted or substituted by substituent selected from the group consisting of alkyl, arylalkyl, halo, hydroxy, oxo, alkanoyl, aryloxy, alkanoyloxy, amino, alkylamino, arylamino, aralkylamino, disubstituted amines in which the two amino substituents are selected from alkyl, aryl or aralkyl; alkanoylamino, aroylamino, aralkanoylamino, substituted alkanoylamino, substituted arylamino, substituted aralkanoylamino, thiol, alkylthiol, arylthio, aralkylthio, alkylthiono, arylthiono, aralkylthiono, alkylsulfonyl, arylsulfonyl, aralkylsulfonyl, sulfonamido, substituted sulfonamido, nitro, cyano, carboxy, carbamyl, substituted-substituted carbamyl, alkoxycarbonyl, aryl, substituted aryl, guanidino, heterocyclyl; in which wherein the said substituent substituent is further substituted, the further substituent is selected from alkyl, alkoxy, aryl and aralkyl; and

wherein optionally substituted substituted aryl is an aryl which is unsubstituted or substituted by one to four substituents substituents selected from the group consisting of alkyl, halo, trifluoromethoxy, trifluoromethyl, hydroxy, alkoxy, alkanoyl, alkanoyloxy, amino, arylamino, aralkylamino, dialkylamino, alkanoylamino, thiol, alkylthio, ureido, nitro, cyano, carboxy, carboxyalkyl, carbamyl, alkoxycarbonyl, alkylthiono, arylthiono, arylsulfonylamino, sulfonic acid, alkylsulfonyl, sulfonamido, and aryloxy; each of which may be further substituted with hydroxy, alkyl, alkoxy, aryl, or arylalkyl.

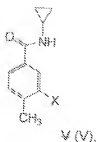
2. (Cancelled)

3. (Currently Amended) The compound of claim 1 having formula (III):



4. (Cancelled)

5. (Currently Amended) The compound of claim 1 having formula (V):



- 6-11. (Cancelled)
12. (Previously Presented) The compound of claim 1, wherein R⁶ is lower alkyl or hydrogen.
- 13-19. (Cancelled)
20. (Previously Presented) The compound of claim 1, wherein M is --C(=O)NR⁴--.
21. (Previously Presented) The compound of claim 1, wherein M is --C(=O)NH--.
22. (Cancelled)
23. (Previously Presented) The compound of claim 1, wherein R¹⁰ is 4-methoxybenzyl.
- 24-28. (Cancelled)
29. (Previously Presented) The compound of claim 1, wherein R¹ is lower alkyl.
- 30-33. (Cancelled)
34. (Previously Presented) The compound of claim 1, wherein R² is lower alkyl or lower cycloalkyl.
35. (Previously Presented) The compound of claim 1, wherein R³ is lower cycloalkyl.
36. (Previously Presented) The compound of claim 1, wherein R³ is cyclopropyl.

37. (Previously Presented) The compound of claim 1:
N-(4-Methoxybenzyl)-2-[(5-cyclopropylaminocarbonyl)-2-methylphenyl]-4-aminopyrimidine-5-carboxamide.

38-53. (Cancelled)

54. (Previously Presented) A pharmaceutical composition, comprising a compound of claim 1 and a pharmaceutically acceptable carrier.

55-61. (Cancelled)